

TD.767 – TECHNICAL DATA: HERMETIC™ CVP Ceramic Wall Coating

Revised: 1/10/20

Product Name: HERMETIC™ CVP Ceramic Wall Coating

Description: HERMETIC™ CVP Ceramic Wall Coating is a 100% solids, high gloss vertical finish with superior abrasion and chemical resistance. Formulated with a high molecular density with excellent light reflectivity withstanding repeated washings. Exceed requirements for USDA, FDA and CIFA inspected facilities.

Uses:

- Commercial bathrooms
- All food manufacturing & processing plants
- Block walls, concrete, cement board, sheetrock
- Pharmaceutical facilities & clean rooms
- Prisons

Features:

- Pick proof coating on prison walls
- Very good chemical resistance
- Superior abrasion resistance
- Easy to clean and maintain

Physical Properties

<u>Property</u>	<u>Test Standard</u>	<u>Result</u>
Viscosity	Brookfield Viscometer@50 rpm	
Part A		17,500 cps
Part B		4,700 cps
Gel Time:	ASTM C-881	55 minutes (@73°F or 23°C)
Consistency	Moderate viscosity for high build applications	
Pull off adhesion to concrete	ASTM D 4541	Concrete failure
Pull off adhesion to steel	ASTM 4541	1,200 psi
Shore D hardness	ASTM 2240	80+ (7 days)
Water vapor permeability	ASTM E-96-13	0.07
Tensile strength	ASTM D 638	2,400 psi
Flexural strength	ASTM D 790	12,500 psi
Modulus of elasticity	ASTM D 695	935.0 psi
Dry film thickness	12 mills between coats max	
Number of coats	1 or more	
Temperature limits (after 7-day ambient cure)		
Dry	350°F	
Wet	200°F	

Cure Schedule: 73°F or 23°C

Drying time (ASTM D1640 @ 50% RH): 90°F: 3-4 hours 70°F: 4-6 hours 50°F: 9-12 hours

Max chemical resistance: 7 days. Equipment cleaner: MEK, acetone, xylene. Do not use thinner.

Limitations:

All substrates must be free of all contaminates including but not limited to: grease, oils, sealers, paint, unsound concrete and laitance. Substrate and air temperature must be Above 50 to 90°F or 10 to 32°C

Preparation & Application: All substrates must be sound and free of contaminates and laitance.

Steel: SSPC-SP5 Abrasive blast

Concrete: ASTM D 4258

Block walls: Water blast or brush off all loose laitance, dust, and loose joint mortar and repair joint before application

Application:

Application method: Roller or brush

Pot life: 45 minutes @ 73°F or 23°C less at higher temperatures

Induction period: None require

Mix ratio: 2 parts A resin to 1 Part B hardener (by volume)

Environmental conditions:

Temperature range: 50°F or 10°C to 100°F or 38°C

Max RH (without vapor barrier): 85% @ 73°F or 23°C

Surface temperature: 5°F or -15°C above the dew point

Coverage: 10 mills=160 sq. ft, 12 mills=120 sq. ft

Packaging: 3-gallon kit units

2 gallons Part A in a 2-gallon pail (clear need to add 1-pint color pack sold separately)

1-gallon Part B in a 1-gallon pail

Larger kit units available upon request.